

# About um, the chat bot for Dorothy

- A short explanation, how it will works, based on the first sketch of ifinta, published on github ~two weeks before, please see:

<https://github.com/ifinta/a-kind-of-RFC/commit/fd8f2e8ff23c8518768d63fc28ce7fd9d54b9f9d>



- Please consider the change the name of Byteball ledger. Byteball will be Obyte in the future – to show, it is an Open work for everybody.
- I made a snapshot about Byteball, before the change in the name, **to reserve the work for everybody** of the Byteball dev team - in any condition - for the community of Charm or forks of Charm.
- We will use, if we can, the Obyte ledger in the future, as Byteball before – for Charm – if it remains ~compatibel with Byteball. The fork will be used only as a snapshot. **It reserved only the rights and the possibility – in any condition – to establish a fork**, but we hope, it not needed ever. Many thanks for Byteball and Obyte to the developers and the community behind...

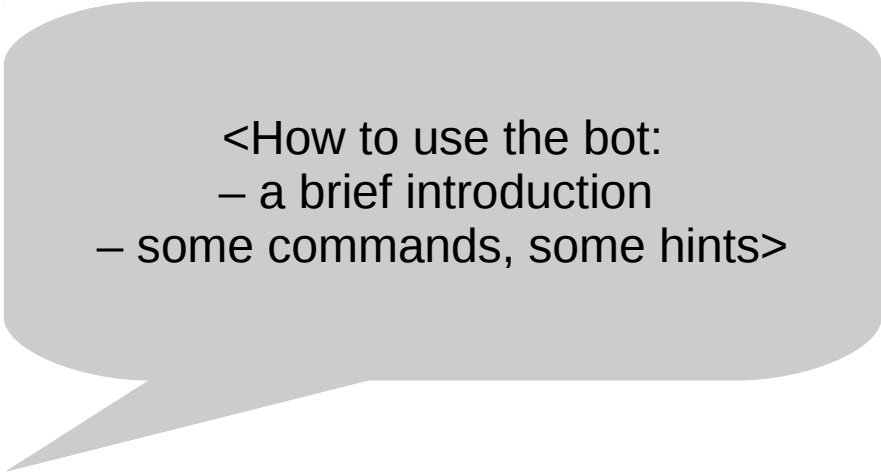
# About the conversation between you and um:

- What you can say will be show on the right side, in blue...



help

- And um answers – on the left, in gray...



<How to use the bot:  
– a brief introduction  
– some commands, some hints>

## ... and the additional possible elements of the conversation:

<What is the market situation:  
– a short summary, with  
i. e. fair price and data about  
the calculation of the fair price  
on this ledger>

<The treasure table (it contains  
the actual running auctions also),  
only to the last 30 rows,  
will be listed, with a summary  
of the remaining rows.  
The first item is the last row  
in the table >

info

show all

<The treasure table,  
only items, belongs to you,  
will be listed>

show

<The treasure table,  
only items, belongs to <account id>,  
will be listed>

show <account id>

<The treasure table,  
only the row, belongs to this asset,  
will be listed>

show <asset>

<The items, in the treasure table,  
which belongs to you,  
producing a possible income  
(a „dividend” of um)  
for you. You can see, how many  
dividend was produced through  
such items, pro item,  
since your last claim>

show dividend

get dividend

<You can claim your dividend  
(in Charm of course)...  
You should only follow the steps, what  
„um” offers>

ask <start price> <asset> <mci> [onlysale] [toestimate]

<Your offer or  
messages about issues or  
hints about other needed steps>

- If you use „onlysale” - the asset can not be offered for as a possible element of the treasure table. It is only a simple auction.
- If you use „toestimate” - the auction has more fee, but you reserves the right, to cancel the sale of your asset after the auction ends. The winner of the auction will get a message about your decision, and the winner will get some payment from your payed fee as compensation.
- mci should be defined as a planned end for an auction. If a new bid coming for the item near at the end of an auction – the auction will be extended with ~10-20 minutes.
- Prices in Charm of course. Asset should be defined in the Obyte (Byteball before) ledger.

<The actualised information of  
the item in this auction.  
Hints about other needed steps>

bid <price> <asset>

- The auction running... Many people can give bids, and after somebody wins, you can decide about the item (behind the asset) and the price in different ways.
- After the end of the auction you can decide to claim the price (minus some fee) and sell the item to the winner (you should only say to um: „get payment”). Of course, if you started the auction as „onlysale” then this is not a quaestion. You have a little time here to decide (i.e. a day).
- After this deadline the winner has the option to pay the price, and claim the item from you (the winner should say to um: „get <asset>”). The winner can decide it only, if the winner has the ownership of this item even. After a little time (i.e. a day) the winner can loose the ownership in two different ways. But after this little time the item (and you as a custodian of this item, and the winner as a new owner of the item) is ready to get dividend from um! This item backs Charm then... (33% of the actual price ((The fair price will change of course...)) ).
- About the two ways – how can the owner loose the ownership – please see the next pages...



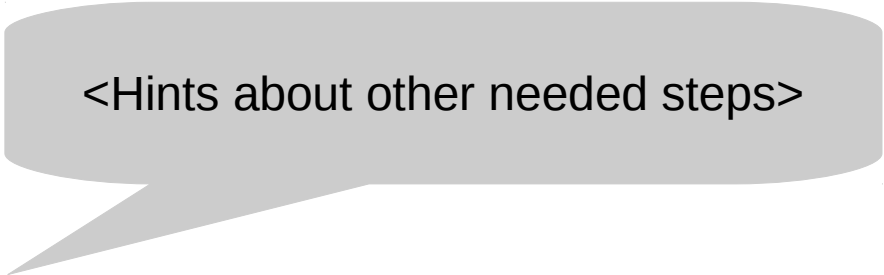
<The actualised information of  
the item in the treasure table.  
Hints about other needed steps>

bid <price> <asset>

- 1.) Somebody gives a simple bigger bid – and the new winner will get the ownership about the item. The old owner will get the price, what the old owner gave for the item AND the not claimed dividend – of course,
- but you can not decide to take the new price! You remains as custodian in this cell...
- The new winner will get the ownership over the item. The new owner can lose the ownership ASAP. The new owner can claim the item – any time (with „get <asset>”) - of course.
- 2.) please see the next page...



get <asset>



<Hints about other needed steps>

- 2.) Somebody (not the owner AND not the custodian) can decide to claim the item against Charm. The price will be 135% of the last price of the item... The owner will get the last price AND the remained dividend, you will get the last price AND your remained dividend also! You should give the item to the new owner.
- The item removed from the treasure table of course. The item does not back Charm more ((The fair price will change of course...)). It can be listed again – of course, but only as a new auction, as the last row in the treasure table with the prices of the actual market.